

DATA TRANSMITTING DEVICE AND METHOD, DATA RECEIVING DEVICE AND METHOD, DATA TRANSMITTING/RECEIVING SYSTEM AND METHOD

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Inventor: OSAKABE YOSHIO; SATO MAKOTO; OSAWA YOSHITOMO; ASANO TOMOYUKI; ISHIGURO RYUJI; SHIMA HISATO

Applicant: SONY CORP

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Abstract of JP10303945

PROBLEM TO BE SOLVED: To prevent unauthorized utilization of data. **SOLUTION:** The data to be transmitted with a 1394 bus 5 is ciphered by a ciphering and deciphering circuit 24 and a header is added to the data by a header sync detecting and generating circuit 23. After a CRC is added to the data by a CRC detecting and generating circuit 33, the data is packetted to an isochronous packet in an isochronous mode by a transmission/reception switching circuit 21. Among ciphering keys, a session key is transmitted by a packet in an asynchronous mode and a time variable key is transmitted by a packet in the isochronous mode.

